

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	41	((front with flow) with ((sensor or detecting or detector or detect or detection) with (biomolecule or antibody or antigen or nucleic or dna or molecule or analyte))	US-PGPUB; USPAT	OR	ON	2011/03/23 01:43
S2	104	((front or leading) with (bolus or fluid or flow)) with ((sensor or detecting or detector or detect or detection) with (biomolecule or antibody or antigen or nucleic or dna or molecule or analyte))	US-PGPUB; USPAT	OR	ON	2011/03/23 02:55
S3	63	S2 not S1	US-PGPUB; USPAT	OR	ON	2011/03/23 02:55
S4	30	S3 not @ay> "2004"	US-PGPUB; USPAT	OR	ON	2011/03/23 02:57
S5	41	((front or leading) with (bolus or fluid or flow) with (immobilized or bound) with (biomolecule or antibody or antigen or nucleic or dna or molecule or analyte))	US-PGPUB; USPAT	OR	ON	2011/03/23 03:12
S6	38	S5 not S4	US-PGPUB; USPAT	OR	ON	2011/03/23 03:12
S7	23	S6 not @ay> "2004"	US-PGPUB; USPAT	OR	ON	2011/03/23 03:12
S8	18	((coating or coated) with (bolus or fluid or flow) with (hydrophobic or hydrophilic) same ((immobilized or detection or sensing or sensor) with (surface or substrate))) and ((immobilized or bound) with (biomolecule or antibody or antigen or nucleic or dna or molecule or analyte))	US-PGPUB; USPAT	OR	ON	2011/03/23 03:29
S9	2	((coating or coated) with non-detection with (surface or side)) same ((immobilized or detection or sensing or sensor) with (surface or substrate))) and ((immobilized or bound) with (biomolecule or antibody or antigen or nucleic or dna or molecule or analyte))	US-PGPUB; USPAT	OR	ON	2011/03/23 14:27
S10	2	((groove or channel) with non-detection with (surface or side)) same ((immobilized or detection or sensing or sensor) with (surface or substrate))) and ((immobilized or bound) with (biomolecule or antibody or antigen or nucleic or dna or molecule or analyte))	US-PGPUB; USPAT	OR	ON	2011/03/23 14:31
S11	2	((groove or channel) with non-detection with (surface or side)) and ((immobilized or bound) with (biomolecule or antibody or antigen or nucleic or dna or molecule or analyte))	US-PGPUB; USPAT	OR	ON	2011/03/23 14:37

S12	2	((coating or coated) with non-detection with (surface or side)) and ((immobilized or bound) with (biomolecule or antibody or antigen or nucleic or dna or molecule or analyte))	US-PGPUB; USPAT	OR	ON	2011/03/23 14:37
S13	21	(bolus with (control or controlling or controlled)) with ((sensor or detecting or detector or detect or detection) with (biomolecule or antibody or antigen or nucleic or dna or molecule or analyte))	US-PGPUB; USPAT	OR	ON	2011/03/23 14:38
S14	111	((coating or coated) with (opposite or opposing) with (surface or side)) same (((immobilized or detection or sensing or sensor) with (surface or substrate))) and (((immobilized or bound) with (biomolecule or antibody or antigen or nucleic or dna or molecule or analyte))	US-PGPUB; USPAT	OR	ON	2011/03/23 14:52
S15	83	((coating or coated) with (opposite or opposing) with (surface or side)) with ((immobilized or detection or sensing or sensor) with (surface or substrate))) and (((immobilized or bound) with (biomolecule or antibody or antigen or nucleic or dna or molecule or analyte))	US-PGPUB; USPAT	OR	ON	2011/03/23 14:52
S16	47	S15 not @ay> "2004"	US-PGPUB; USPAT	OR	ON	2011/03/23 14:53
S17	1	"20040072208"	US-PGPUB; USPAT	OR	ON	2011/03/23 16:12
S18	83	((coating or coated) with (opposite or opposing) with (surface or side)) with (((immobilized or detection or sensing or sensor) with (surface or substrate))) and (((immobilized or bound) with (biomolecule or antibody or antigen or nucleic or dna or molecule or analyte))	US-PGPUB; USPAT	OR	ON	2011/03/23 16:14
S19	47	S18 not @ay> "2004"	US-PGPUB; USPAT	OR	ON	2011/03/23 16:14
S20	1	S19 and (surface adj acoustic)	US-PGPUB; USPAT	OR	ON	2011/03/23 16:14
S21	2070	((plunger or piercer) with (reservoir or chamber)) and (microfluidic or cartridge or chip or biochip) and (assay or reagent or antibody or antigen or dna or nucleic or reaction)	US-PGPUB; USPAT	OR	ON	2011/03/24 14:23
S22	157	S21 and ((pierce) with (reservoir or chamber))	US-PGPUB; USPAT	OR	ON	2011/03/24 14:24
S23	71	S22 not @ay> "2004"	US-PGPUB; USPAT	OR	ON	2011/03/24 14:24
S24	215	S21 and ((pierce or piercing or pierces) with (reservoir or chamber))	US-PGPUB; USPAT	OR	ON	2011/03/24 14:27
S25	1	("5478756").FN.	USPAT; USOCR	OR	OFF	2011/03/24 18:35

S26	1	("6156270").PN.	USPAT; USOCR	OR	OFF	2011/03/24 19:34
S27	1	("7312071").PN.	USPAT; USOCR	OR	OFF	2011/03/24 19:52
S28	0	("20030077836").PN.	USPAT; USOCR	OR	OFF	2011/03/24 20:23
S29	1	("20030077836").PN.	US- PGRUB; USPAT; USOCR	OR	OFF	2011/03/24 20:23
S30	1	("20060292304").PN.	US- PGRUB; USPAT; USOCR	OR	OFF	2011/03/24 20:28
S31	217	(fluid with (monitor or monitoring or monitored)) same (feedback with (control or controller or controlled)) and (assay or reagent)	US- PGRUB; USPAT	OR	ON	2011/03/24 20:33
S32	138	S31 not @ay> "2004"	US- PGRUB; USPAT	OR	ON	2011/03/24 20:33
S33	75	S32 and ((fluid with (monitor or monitoring or monitored)) same (feedback with (control or controller or controlled) with (reagent or fluid)))	US- PGRUB; USPAT	OR	ON	2011/03/24 20:34
S34	1	S32 and ((fluid with level with (monitor or monitoring or monitored)) same (feedback with (control or controller or controlled) with (reagent or fluid)))	US- PGRUB; USPAT	OR	ON	2011/03/24 20:48
S35	3	assay and (fluid with level with (monitor or monitoring or monitored)) same (feedback with (control or controller or controlled))	US- PGRUB; USPAT	OR	ON	2011/03/24 20:51
S36	1	("4103772").PN.	USPAT; USOCR	OR	OFF	2011/03/24 21:46
S37	1	("6543274").PN.	USPAT; USOCR	OR	OFF	2011/03/24 21:46
S38	21519	(front or leading) with (bolus or fluid or flow) with (control or controlling)	US- PGRUB; USPAT	OR	ON	2011/08/29 01:16
S39	1424	S38 and (biomolecule or antibody or antigen or nucleic or dna or molecule or analyte)	US- PGRUB; USPAT	OR	ON	2011/08/29 01:17
S40	828	S39 not @ay> "2004"	US- PGRUB; USPAT	OR	ON	2011/08/29 01:17
S41	138	S40 and ((front or leading) with (bolus or fluid or flow) with (control or controlling) same (channel or groove))	US- PGRUB; USPAT	OR	ON	2011/08/29 01:18
S42	3979	(bolus or fluid or flow) with (control or controlling) with bubble	US- PGRUB; USPAT	OR	ON	2011/08/29 09:10
S43	1088	S42 and (biomolecule or antibody or antigen or nucleic or dna or molecule or analyte)	US- PGRUB; USPAT	OR	ON	2011/08/29 09:11
S44	365	(bolus or fluid or flow) with (control or controlling) with (avoid or avoiding or prevent or preventing or avoidable or	US- PGRUB; USPAT	OR	ON	2011/08/29 09:11

		preventable) with bubble				
S45	89	S44 and (biomolecule or antibody or antigen or nucleic or dna or molecule or analyte)	US-PGPUB; USPAT	OR	ON	2011/08/29 09:11
S46	56	S45 not @ay> "2004"	US-PGPUB; USPAT	OR	ON	2011/08/29 09:12
S47	1	("5439578").FN.	USPAT; USOCR	OR	OFF	2011/08/29 09:22
S48	1	("6156270").FN.	USPAT; USOCR	OR	OFF	2011/08/29 09:29

8/ 29/ 2011 11:30:57 AM

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